MENTORED QUANTITATIVE RESEARCH CAREER DEVELOPMENT AWARD

Release Date: April 13, 1999 (superceded by PA-02-127)

PA NUMBER: PA-99-087

P.T.

National Heart, Lung, and Blood Institute
National Human Genome Research Institute
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute of Allergy and Infectious Diseases
National Institute of Arthritis and Musculoskeletal and Skin Diseases
National Institute of Child Health and Human Development
National Institute on Deafness and Other Communication Disorders
National Institute of Dental and Craniofacial Research
National Institute of Diabetes and Digestive and Kidney Diseases
National Institute on Drug Abuse
National Institute of Environmental Health Sciences
National Institute of General Medical Sciences
National Institute of Mental Health
National Institute of Neurological Disorders and Stroke

Application Receipt Dates: June 1, October 1, and February 1

PURPOSE

Research at the borders of disciplines and from fresh perspectives often produces surprising and exciting results. Increasingly, teams of scientists from diverse disciplines converge on a common research questions. Individuals who can independently bridge different disciplines, as well as those who are able to function as leading members of multi-disciplinary research teams are playing ever more valuable roles at the forefront of biomedicine. The purpose of the Mentored Quantitative Research Career Development Award (K25) is to engender and foster such activities by supporting the career development of investigators with quantitative scientific and engineering backgrounds outside of biology or medicine who have made a commitment to focus their research endeavors on behavioral and biomedical research (basic or clinical). This mechanism is

aimed at research-oriented scientists with experience at the level of junior faculty (e.g., early to mid-levels of assistant professor or research assistant professor ranks). This award provides support for a period of supervised study and research for professionals with such backgrounds who have the potential to integrate their expertise with biomedicine and develop into productive investigators.

Examples of quantitative scientific and technical backgrounds outside of biology or medicine considered appropriate for this award include, but are not limited to: mathematics, statistics, computer science, informatics, physics, chemistry, and engineering.

HEALTHY PEOPLE 2000

The Public Health Service is committed to achieving the health promotion and disease prevention objectives of "Healthy People 2000," a PHS-led national activity for setting priority areas. This PA, Mentored Quantitative Research Career Development Award, is related to the priority area of human resource development. Potential candidates may obtain a copy of "Healthy People 2000" (Full Report: Stock No. 017-001-00474-0 or Summary Report: Stock No. 017-001-00473-1) from the Superintendent of Documents, Government Printing Office, Washington, DC 20402-9325 (telephone 202/512-1800) or electronically (http://odphp.osophs.dhhs.gov/pubs/hp2000).

ELIGIBILITY REQUIREMENTS

Candidates must have demonstrated research interests with an advanced degree in a quantitative area of science or engineering: M.S.E.E., Ph.D., D.Sc., etc. They must identify a mentor with extensive behavioral or biomedical research experience. Candidates must be willing to spend at least 75 percent of full-time professional effort conducting research career development and basic or clinical research. Applications may be submitted on behalf of candidates, by domestic organizations, public or private, such as research foundations, research institutions, commercial entities, medical, dental, or nursing schools, Federal National Laboratories (except for laboratories of the National Institutes of Health), or other institutions of higher education. Minorities, women and individuals with disabilities are encouraged to apply. At time of award, candidates must be citizens or noncitizen nationals of the United States, or have been lawfully admitted to the United States for permanent residence (i.e., in possession of a currently valid Alien Registration Receipt Card I-551, or other legal verification of such status). Noncitizen nationals are generally persons born in outlying possessions of the United States (i.e., American Samoa and Swains Island). Individuals on temporary or student visas are not eligible.

Former principal investigators on NIH research project (R01), program project (P01), center grants, FIRST Awards (R29), SBIR/STTR awards, sub-projects of program project (P01) or center grants, K01, K08 or K23 awards, or the equivalent are not eligible. Former principal investigators of an NIH Small Grant (R03) or Exploratory/Developmental Grants (R21) remain eligible. A candidate for the Mentored Quantitative Research Career Development Award may not concurrently apply for any other PHS award that duplicates the provisions of this award nor have another application pending award. Mentored Quantitative Research Career Development Award recipients are strongly encouraged to apply for independent research grant support, either Federal or private, during the latter period of this K25 award. However, since the K25 is a full professional effort award, time conducting additional research directly related to this award is subsumed under the salary support already provided by this award.

MECHANISM OF SUPPORT

Awards in response to this program announcement will use the K25 mechanism. Planning, direction, and, execution of the program will be the responsibility of the candidate and her/his mentor on behalf of the applicant institution. The project period may be for up to five years with a minimum of three years. Awards are not renewable. K25 application instructions include "JUST IN TIME" streamlining efforts that postpone the collection of certain information until shortly before the time of award.

AWARDS AVAILABLE

The actual number of awards to be made by each Institute will vary yearly and will depend upon the number and quality of applications submitted and funds available.

RESEARCH OBJECTIVES

Background

The National Institutes of Health (NIH) is especially interested in increasing the number of scientists trained to conduct high-quality research that combines and cuts across different scientific, technical and biomedical areas. Accordingly, this award forms an important part of the NIH initiative to attract talented individuals with highly-developed quantitative skills to the challenges of biomedical research. The Mentored Quantitative Research Career Development Award is intended to increase the availability of high-quality, multi-disciplinary, didactic training so that candidates interested in cross- disciplinary research will be well grounded in biomedical and

behavioral research. At the completion of the award, candidates should have both the knowledge and the skills necessary to compete for independent research support from NIH, or to participate as leading members of multi-disciplinary research teams. This initiative is consistent with the recommendations of the Bioengineering Education and Training Panel which was convened as part of the 1998 Bioengineering Consortium (BECON) Symposium (the symposium report is available at http://www.becon.nih.gov/becon.htm).

Objectives and scope

The objectives of the Mentored Quantitative Research Career Development Award (K25) are to:

o Encourage research-oriented quantitative scientists and engineers with little or no experience in biology or biomedicine to develop independent research skills and gain experience in advanced methods and experimental approaches that will allow them to conduct basic or clinical biomedical, behavioral or bioengineering research, or to play leading roles in multi-disciplinary research teams

o Increase the pool of quantitative researchers who can conduct biomedical, behavioral, or bioengineering studies, capitalizing on the quantitative backgrounds of the investigators to inform new directions in biomedical, behavioral and bioengineering research

The Mentored Quantitative Research Career Development Award provides research and career development opportunities for scientists and engineers with varying levels of research experience in biomedicine or behavior, who are committed to establishing themselves in careers as independent biomedical investigators. This Award will enable candidates holding degrees in quantitative sciences (see under ELIGIBILITY REQUIREMENTS above) to undertake three to five years of special study and supervised research with the goal of developing into independent investigators capable of conducting quantitative biomedical or bioengineering research.

Because of the focus on a progression toward independence as a quantitative biomedical, behavioral, or bioengineering researcher, the prospective candidate for the Mentored Quantitative Research Career Development Award should propose a period of study and career development consistent with her or his previous research and experience. For example, a candidate with very limited experience in a given field of biomedical research may find a phased developmental program lasting for five years that includes a designated period of didactic training together with a closely supervised research experience the most efficient means of attaining independence. A candidate with more research in biomedicine may benefit more from a program with greater

emphasis on appropriate laboratory research with lower levels of supervision and direction. All programs should be carefully tailored to meet the individual needs of the candidate and must include (an) active mentor(s) who is (are) competent and willing to provide the appropriate research guidance.

SPECIAL REQUIREMENTS

While each application is expected to be highly customized to the needs of the particular applicant, there are several elements which form the foundation for this career development award. The elements may take different forms for different candidates, but there are common aspects that will be considered carefully. These are described below:

A. Candidate: The candidate should have demonstrated professional accomplishments consonant with his or her career status, and should have demonstrated experience or interest in pursuing research (including research outside of biology, biomedicine or behavior).

B. Mentor(s): The recipient must receive appropriate mentoring throughout the duration of the program. Where feasible, women, minority individuals and individuals with disabilities should be involved as mentors and serve as role models. Candidates must name a primary mentor, who together with the applicant is responsible for planning, direction, and execution of the program. Candidates may also nominate additional mentors as appropriate to the goals of the program.

C. Program: The award provides up to five consecutive 12-month awards. At least 75 percent of the recipient's full-time professional effort must be devoted to the goals of this award. The remainder may be devoted to consulting, teaching, or other research pursuits consonant with the objectives of the award.

Both the didactic and the research phases of an award period must be designed to develop the necessary knowledge and research skills in scientific areas relevant to the career goals of the candidate.

D. Environment: The institution must have a well-established research and biomedical, behavioral, or bioengineering career development program, or have demonstrable ties to such programs. For example, if the mentor is based in industry and the career development program requires didactic activities at a nearby university, access to such activities must be described. The institution must also have individuals qualified in research to serve as mentors.

The institution must be able to demonstrate a commitment to the development of the candidate as a productive, independent investigator. The candidate, mentor, and institution must be able to describe an in-depth, multi disciplinary career development program that will utilize the relevant research and educational resources (whether at the institution or at a site with which there are demonstrable ties).

E. Evaluation: In carrying out its stewardship of human resource-related programs, the NIH may request information essential to an assessment of the effectiveness of this program. Accordingly, recipients are hereby notified that they may be contacted after the completion of this award for periodic updates on various aspects of their employment history, publications, support from research grants or contracts, honors and awards, professional activities, and other information helpful in evaluating the impact of the program.

ALLOWABLE COSTS

1. Salary: The NIH will provide salary for the award recipient of up to $75,000 per year plus commensurate fringe benefits. The total salary requested must be based on a full-time, 12-month staff appointment. It must be consistent both with the established salary structure at the institution and with salaries actually provided by the institution from its own funds to other staff members of equivalent qualifications, rank, and responsibilities in the department concerned. If full-time, 12-month salaries are not currently paid to comparable staff members, the salary proposed must be appropriately related to the existing salary structure.

The institution may supplement the NIH contribution up to a level that is consistent with the institution's salary scale, however, supplementation may not be from Federal funds unless specifically authorized by the Federal program from which such funds are derived. Because the salary amount provided by this award is based on the full-time institutional salary, no other NIH funds may be used for salary supplementation. Institutional supplementation of salary must not require extra duties or responsibilities that would interfere with the purpose of the award.

B. Research Development Support: The NIH will generally provide up to $40,000 per year for the following expenses: (a) tuition, fees, and books related to career development; (b) research expenses, such as supplies, equipment and technical personnel; c) travel to research meetings or training; (d) research support services including personnel and computer time.

C. Ancillary Personnel Support: Salary for mentors, secretarial, and administrative assistance etc., is not allowed.

D. Facilities and Administrative costs: These costs will be reimbursed at 8 percent of modified total direct costs.

E. Other Income: Fees resulting from professional consultation, or other comparable activities required by the research and research-related activities of this award may not be retained by the career award recipient. Such fees must be assigned to the grantee institution for disposition by any of the following methods:

The funds may be expended by the grantee institution in accordance with the NIH policy on supplementation of career award salaries and to provide fringe benefits in proportion to such supplementation. Such salary supplementation and fringe benefits payments must be within the established policies of the grantee institution.

The funds may be used for health-related research purposes.

The funds may be paid to miscellaneous receipts of the U.S. Treasury. Checks should be made payable to the Department of Health and Human Services, NIH and forwarded to the Director, Division of Financial Management, NIH, Bethesda, Maryland 20892. Checks must identify the relevant award account and reason for the payment.

Awardees may retain royalties and fees for activities such as scholarly writing, service on advisory groups, or honoraria from other institutions for lectures or seminars, provided these activities remain incidental and provided that the retention of such pay is consistent with the policies and practices of the grantee institution.

Usually, funds budgeted in an NIH supported research or research training grant for the salaries or fringe benefits of individuals, but freed as a result of a career award, may not be rebudgeted. The awarding component will give consideration to approval for the use of released funds only under unusual circumstances. Any proposed retention of funds released as a result of a career award must receive prior written approval of the NIH awarding component.

F. Special Leave: Leave to another institution, including a foreign laboratory, may be permitted if directly related to the purpose of the award. Only local, institutional approval is required if such leave does not exceed 3 months. For longer periods, prior written approval of the NIH funding component is required.

To obtain prior approval, the award recipient must submit a letter to the NIH describing the plan, countersigned by his or her department head and the appropriate institutional official. A copy of a letter or other evidence from the institution where the leave is to be taken must be submitted to assure that satisfactory arrangements have been made. Support from the career award will continue during such leave.

Leave without award support may not exceed 12 months. Such leave requires the prior written approval of the NIH funding component and will be granted only in unusual situations. Support from other sources is permissible during the period of leave. Such leave does not reduce the total number of months of program support for which an individual is eligible. Parental leave will be granted consistent with the policies of the NIH and the grantee institution.

Under unusual and pressing circumstances, an awardee may submit a written request to the awarding component, requesting a reduction in professional effort below 75 percent. Such requests will be considered on a case-by-case basis during the award period. In no case, will it be permissible to work at a rate of less than 50 percent effort. The nature of the circumstances requiring reduced effort might include medical conditions, disability, or pressing personal or family situations such as child or elder care. Permission to reduce the level of effort will not be approved to accommodate other sources of funding, job opportunities, clinical practice, or clinical training. In each situation, the grantee institution must submit documentation supporting the need for reduced effort along with assurance of a continuing commitment to the scientific development of the awardee. Further, the awardee must submit assurance of his or her intention to return to full-time professional effort (at least 75 percent) as soon as possible. During the period of reduced effort, the salary and other costs supported by the award will be reduced accordingly.

G. Termination or Change of Institution: When a grantee institution plans to terminate an award, the NIH funding component must be notified in writing at the earliest possible time so that appropriate instructions can be given for termination. The Director of the NIH may discontinue an award upon determination that the purpose or terms of the award are not being fulfilled.
In the event an award is terminated, the Director of the NIH shall notify the grantee institution and career award recipient in writing of this determination, the reasons, the effective date, and the right to appeal the decision.

Awardees planning a change of institution must submit to the NIH funding component, in advance of the change, a written request for transfer, countersigned by the appropriate institutional business official, describing the reasons for the change and including the new sponsor's name and biosketch.

The awardee must establish in this request that the specific aims of the research program to be conducted at the new institution are within the scope of the original peer reviewed research program. Additionally, the new sponsor must have the appropriate research expertise to supervise the program and sufficient research support to ensure continuation of the research program to the end of the award (initial award). Staff within the NIH funding component will review this request and may require a review by an initial review group and/or the appropriate National Advisory Council or Board. Upon approval of this request, a new career award application must be submitted by the new institution far enough in advance of the requested effective date to permit review. The period of support requested in the new application must be no more than the time remaining within the existing award period.

When a mentor at the grantee institution is to be replaced, the institution must submit a letter from the proposed mentor documenting the need for substitution, the new mentor's qualifications, and the level of support for the candidate's career development. Staff within the NIH funding component will review the request.

A final progress report, invention statement, and Financial Status Report are required upon either termination of an award or relinquishment of an award in a change of institution situation.

INCLUSION OF WOMEN AND MINORITIES IN RESEARCH INVOLVING HUMAN SUBJECTS

For research projects involving human subjects, it is the policy of the NIH that women and members of minority groups and their subpopulations must be included in all NIH supported biomedical and behavioral research projects involving human subjects unless a clear and compelling rationale and justification is provided that inclusion is inappropriate with respect to the health of the subjects or the purpose of the research. This policy results from the NIH Revitalization Act of 1993 (Section 492B of Public Law 103-43). All investigators proposing research involving human subjects should read the "NIH Guidelines For Inclusion of Women and Minorities as Subjects in Clinical Research," which has been published in the Federal Register of March 28,1994 (FR 59 14508-14513), and in the NIH GUIDE FOR GRANTS AND CONTRACTS of March 18, 1994, Vol. 23, No 11. It is also available electronically at http://www.nih.gov/grants/guide/1994/94.03.18/

Investigators may obtain copies from these sources or from the program staff or contact person listed below. Program staff may also provide additional relevant information concerning the policy.

INCLUSION OF CHILDREN AS PARTICIPANTS IN RESEARCH INVOLVING HUMAN SUBJECTS

It is the policy of NIH that children (i.e., individuals under the age of 21) must be included in all human subjects research, conducted or supported by NIH, unless there are scientific and ethical reasons not to include them. This policy applies to all applications submitted in response to this Program Announcement.

All investigators proposing research involving human subjects should read the "NIH POLICY AND GUIDELINES ON THE INCLUSION OF CHILDREN AS PARTICIPANTS IN RESEARCH INVOLVING HUMAN SUBJECTS" that was published in the NIH GUIDE FOR GRANTS AND CONTRACTS, March 6, 1998 and is available at the following URL address: http://www.nih.gov/grants/guide/notice-files/not98-024.html

APPLICATION PROCEDURES

Potential applicants are strongly encouraged to contact the staff person in the relevant institute or center listed under INQUIRIES. Such contact should occur early in the planning phase of application preparation. Contacting a staff person will help ensure that applications are responsive to the goals and policies of the individual institute or center.

Applicants who will be using a General Clinical Research Center (GCRC) are requested to include a letter of agreement from either the GCRC program director or the principal investigator with the application.

Applications are to be submitted on the grant application form PHS 398 (rev.4/98; use the instructions in Section IV as appropriate) and will be accepted on or before the receipt dates indicated in the application kit. Forms are available at most institutional offices of sponsored research and from the Division of Extramural Outreach and Information Resources, National Institutes of Health, 6701 Rockledge Drive, MSC 7910, Bethesda, MD 20892-7910, Phone (301) 435-0714, FAX: (301) 480-0525, Email: GrantsInfo@nih.gov. Forms are also available on the NIH Website at http://www.nih.gov/grants/funding/phs398/phs398.html

To identify the application as a response to this program announcement, check "YES" on item 2 of page 1 of the application and enter "PA-99-087 MENTORED QUANTITATIVE RESEARCH CAREER DEVELOPMENT AWARD."

Submit a signed, typewritten original of the application with Checklist, and five signed photocopies, in one package to:

CENTER FOR SCIENTIFIC REVIEW
NATIONAL INSTITUTES OF HEALTH
6701 ROCKLEDGE DRIVE, ROOM 1040 - MSC 7710
BETHESDA, MD 20892-7710
BETHESDA, MD 20817-7710 (for express/courier service)

The application must contain the following:

Candidate

o A description of the candidate's commitment to a career in quantitative biomedical, behavioral, or bioengineering research

o Evidence of the candidate's interest in conducting research

o Evidence of the candidate's potential to develop into an independent investigator

o A description of immediate and long-term career objectives, explaining how the award will contribute to their attainment

o A commitment of at least 75 percent effort to this research program

o Three sealed letters of recommendation addressing the candidate's potential for a research career in quantitative biomedicine or bioengineering. The mentor's statement (see below) should not be included as one of the letters of recommendation, although the mentor(s) may submit a separate letter(s) of recommendation.

Career Development Plan

o A description of the career development plan, incorporating consideration of the candidate's goals and prior experience. It must describe a systematic plan to obtain the necessary theoretical and conceptual background, in addition to the research experience, necessary to launch an independent research career in quantitative biomedicine or bioengineering.

o Candidates must describe the availability of courses important to their career development plan at their institution and the manner of integration of these studies into their career development plan.

o The career development plan must be tailored to the needs of the individual candidate and the ultimate goal of achieving independence as a researcher in quantitative biomedicine or bioengineering. Less experienced candidates may require a phased developmental period in which the first one to two year(s) of the award are largely of a didactic nature followed by a period of intense, supervised research. Candidates with more experience at the time of application may need a shorter developmental period and may already have an adequate theoretical background.

o Candidates must describe plans to receive instruction in the responsible conduct of research. These plans must detail the proposed subject matter, format, frequency, and duration of instruction. No award will be made if an application lacks this component.

Research Plan

o A description of the quantitative biomedical, behavioral, or bioengineering research plan. The research plan must be described as outlined in form PHS 398, including sections on the Specific Aims, Background and Significance, Progress Report/Preliminary Studies, Research Design and Methods. The candidate should consult with the mentor regarding the development of this section.

Mentor's Statement

o The application must include information on the mentor(s), including information on basic or clinical biomedical research qualifications in the research area proposed by the candidate and previous experience as a research supervisor. The application must also include information to describe the nature and extent of supervision that will occur during the proposed award period. Mentors may be employed in any sector of the biomedical research community (e.g., academia, industry, non-profit research institutions).

Environment and Institutional Commitment

o The sponsoring institution must document a strong, well-established research and training program related to the candidate's area of interest, including a high-quality research environment with staff capable of productive collaboration with the candidate. The sponsoring institution also

must provide a statement of commitment to the candidate's development into a productive, independent investigator.

Budget Instructions

Follow the Instructions in the Career Award Section of PHS Form 398 (rev.4/98). The total direct costs requested must be consistent with this K25 program announcement and the award limits of the NIH funding component. Applicants seeking information on award limits should contact the likely funding component listed in the INQUIRIES section at the end of this announcement.

REVIEW CONSIDERATIONS

Applications will be reviewed for completeness by the Center for Scientific Review and for responsiveness to this program announcement by the appropriate Institute or Center staff. Incomplete or non-responsive applications will be returned to the applicant without further consideration. Applications that are complete and responsive to the program announcement will be evaluated for scientific and technical merit by a peer review group convened by the appropriate Institute in accordance with the standard NIH peer review procedures. As part of the initial merit review, all applications will receive a written critique. Applications may undergo a streamlined review in which only those applications deemed to have the highest scientific merit, generally the top half of applications under review, will be discussed, assigned a priority score, and receive a second level review by the appropriate national advisory council or board.

The following review criteria will be applied:

Candidate

o Quality of the candidate's academic and research record;

o Potential to develop as an independent quantitative biomedical or bioengineering researcher or to play significant role in multi-disciplinary research teams; and

o Commitment to a career in quantitative biomedical or bioengineering research.

Career Development Plan

o Likelihood that the career development plan will contribute substantially

to the scientific development of the candidate;

o Appropriateness of the content and duration of the proposed didactic and research phases of the award;

o Consistency of the career development plan with the candidate's career goals and prior research experience; and

o Quality of the proposed training in responsible conduct of research.

Research Plan

Reviewers recognize that an individual with limited research experience is less likely to be able to prepare a research plan with the breadth and depth of that submitted by a more experienced investigator. Although it is understood that K25 applications do not require the level of detail necessary in regular research grant applications, a fundamentally sound research plan must be provided. In general, less detail is expected with regard to research planned for the later years of the award, but the application should outline the general goals for these years.

o Appropriateness of the research plan to the stage of research development and as a vehicle for developing the research skills as described in the career development plan;

o Scientific and technical merit of the research question, design and methodology;

o Relevance of the proposed research to the candidate's career objectives;

o Adequacy of the plan's attention to gender and minority issues associated with projects involving human subjects; and

o Adequacy of plans for including children as appropriate for the scientific goals of the research, or justification for exclusion.

Mentor

o History of research productivity and support in the area of basic or clinical biomedical research;

o Appropriateness of mentor's research qualifications in the area of this application;

o Quality and extent of mentor's proposed role in providing guidance and advice to the candidate; and

o Previous experience in fostering the development of researchers.

Environment and Institutional Commitment

o Applicant institution's commitment to the scientific development of the candidate and assurances that the institution intends the candidate to be an integral part of its research program;

o Adequacy of research facilities and the availability of appropriate educational opportunities (including access to such facilities or opportunities in other institutions);

o Quality and relevance of the environment for scientific and professional development of the candidate; and

o Applicant institution's commitment to an appropriate balance of research and other responsibilities.

Budget

o Justification of the requested budget in relation to career development goals and research aims.

AWARD CRITERIA

Applications will be assigned to an Institute based on referral guidelines. The Institute will notify the applicant of the Advisory Board or Council's action shortly after its meeting. Funding decisions will be made based on the recommendations of the initial review group and Advisory Council/Board, the need for research personnel in specific program areas, and the availability of funds. The NIH policy on submission of revised (amended) applications limits the number of such amended applications to two.

INQUIRIES

Written and telephone inquiries concerning this program announcement are strongly encouraged especially during the planning phase of the application. Below is a listing of each Institute's program contact.

Direct inquiries regarding programmatic issues to:

Michael Commarato, Ph.D.
Division of Heart and Vascular Diseases
National Heart, Lung, and Blood Institute
6701 Rockledge Drive, MSC 7940
Bethesda, MD 20892-7940
Telephone: (301) 435-0535
FAX: (301) 480-1454
Email: mc63a@nih.gov

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Building 38A, Room 613
Bethesda, MD 20892
Telephone: (301) 496-7531
FAX: (301) 480-2770
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Gateway Building, Room 2C218
7201 Wisconsin Avenue, MSC 9205
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Telephone: (301) 496-9322
FAX:(301) 402-2945
Email: rb42h@nih.gov

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6000 Executive Boulevard
Bethesda, MD 20892-7003
Telephone: (301) 443-6107
FAX: (301) 443-6077
Email: me25t@nih.gov

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National Institute of Allergy and Infectious Diseases
Solar Building, Room 4B04
Bethesda, MD 20892
Telephone: (301) 496-3775
FAX: (301) 496-8729
Email: mh35c@nih.gov

Richard W. Lymn, Ph.D.
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National Institute of Arthritis and Musculoskeletal and Skin Diseases
45 Center Drive, Room 5AS-49E, MSC 6500
Bethesda, MD 20892-6500
Telephone: 301-594-5128
FAX: 301-480-4543
Email: r128b@nih.gov

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Building 31, Room 2A03
Bethesda, MD 20892
Telephone: (301) 496-1848
FAX: (301) 402-1104
Email: ym16x@nih.gov

Daniel A. Sklare, Ph.D.
Division of Human Communication
National Institute on Deafness and Other Communication Disorders
6120 Executive Boulevard, Room 400-C - MSC 7180
Bethesda, MD 20892-7180

Rockville, MD 20852 (for express/courier service)
Telephone: (301) 496-1804
FAX: (301) 402-6251
Email: daniel_sklare@nih.gov

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National Institute of Dental and Craniofacial Research
Natcher Building, Room 4AN-24B
45 Center Drive
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FAX: (301) 480-8318
Email: bravemann@de45.nidr.nih.gov

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FAX: (301) 480-3768
Email: coatesp@extra.niddk.nih.gov

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FAX: (301) 443-6277
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Email: ss78v@nih.gov

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Direct inquiries regarding fiscal issues to:

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6701 Rockledge Drive, MSC 7926

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Email: je14j@nih.gov

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Willco Building, Room 504
6000 Executive Blvd.
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Phone: (301) 443-4704
FAX: (301) 443-3891
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AUTHORITY AND REGULATIONS

This program is described in the Catalog of Federal Domestic Assistance Nos. 93. 855 and 93.856. Awards are made under the authority of title III, Section 301 of the PHS Act as amended. The Code of Federal Regulations, Title 42 Part 52 and Title 45 Part 74, are applicable to this program. This program is not subject to the intergovernmental review requirements of Executive Order 12372 to Health Systems Agency review.

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